

**WHAT IS CLAIMED IS:**

1. A locking structure of a unidirectional spanner comprising:
  - a spanner body having a receiving chamber at one end thereof and at least one directional control groove aside the receiving chamber and  
5 communicated with the receiving chamber;
  - a toothless ratchet receiving in the receiving chamber;
  - at least one directional control device receiving in the at least one directional control groove; each of the at least directional control device being formed by a directional control unit and an elastomer; the  
10 directional control unit locking the toothless ratchet;
  - wherein if the spanner body moves, a reverse force will apply to the toothless ratchet; when the reverse force causes the directional control unit to move away from the elastomer, the toothless ratchet will be locked by the directional control unit so that the toothless ratchet rotate  
15 synchronously with the spanner body; when the reverse force cause that the directional control unit can compress the elastomer, the toothless ratchet will rotate independently, namely not rotate synchronously with the spanner body.
3. The locking structure of a unidirectional spanner as claimed in 1,  
20 wherein there are two directional control grooves and two directional control units.
4. The locking structure of a unidirectional spanner as claimed in 1, wherein each directional control unit is a rectangular cylinder.
5. The locking structure of a unidirectional spanner as claimed in 1,  
25 wherein each directional control unit is a hexagonal cylinder.

6. The locking structure of a unidirectional spanner as claimed in 1, wherein each directional control unit is a polygonal cylinder.

7. The locking structure of a unidirectional spanner as claimed in 1, wherein each directional control unit has a chamfered surface.

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